

**Attachment F – Photo-Simulations, Photos,  
Geographical Service Area Map, and Alternative  
Site Analysis**



# PHOTOSIMULATION VIEWPOINT 1



**CROWN  
CASTLE**

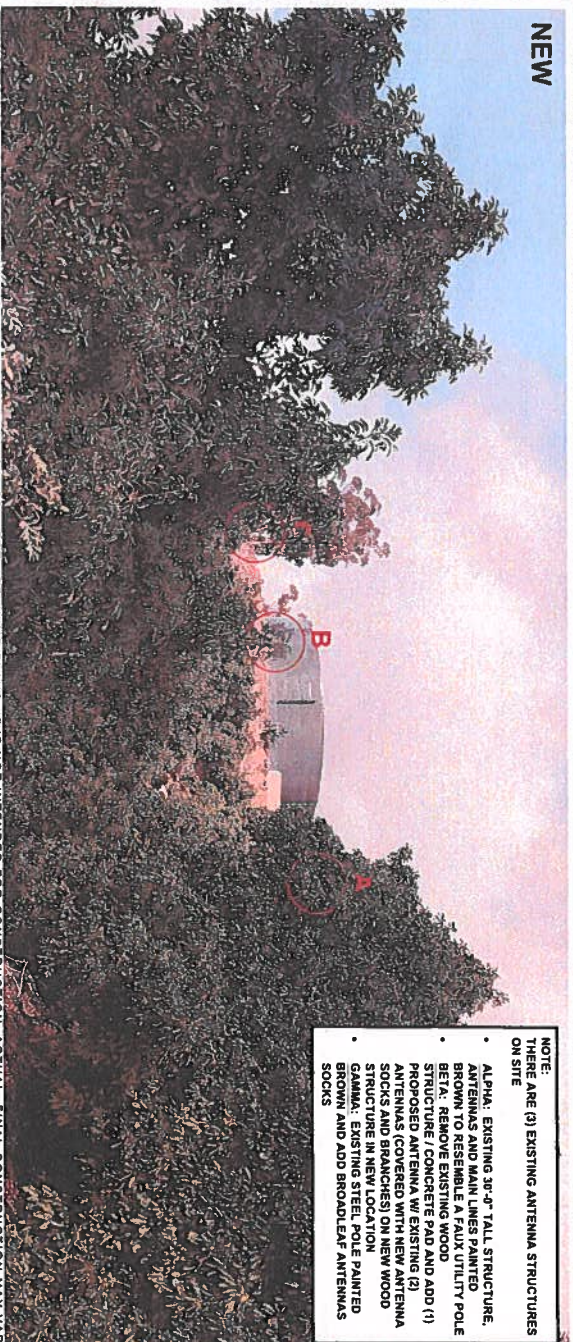
SD943 YUMA WATER TANK  
BU 827640  
32798 AVENIDA DE LAS ESTRILLAS  
PAUMA VALLEY, CA 92061

**SDC**  
3015 SPOCKMAN PLACE, SUITE 15  
SAN DIEGO, CA 92122  
www.sdc.com

EXISTING



NEW



NOTE:  
THESE ARE (2) EXISTING ANTENNA STRUCTURES  
ON SITE

- ALPHA: EXISTING 30'-0" TALL STRUCTURE, ANTENNAS AND MAIN LINES PAINTED BROWN TO RESEMBLE A FAUX UTILITY POLE
- BETA: REMOVE EXISTING WOOD STRUCTURE / CONCRETE PAD AND ADD (1) PROPOSED ANTENNA W/ EXISTING (2) ANTENNAS (COVERED WITH NEW WOOD SOCKS AND BRANCHES) ON NEW WOOD STRUCTURE IN NEW LOCATION
- GAMMA: EXISTING 30'-0" TALL STRUCTURE, ANTENNAS AND MAIN LINES PAINTED BROWN AND ADD BROADLEAF ANTENNAS SOCKS

DISCLAIMER: THIS PHOTOSIMULATION IS INTENDED AS A GRAPHICAL REPRESENTATION OF EXISTING AND PROPOSED SITE CONDITIONS BASED ON THE PROJECT / DRAWING PLANS. IT IS NOT INTENDED FOR CONSTRUCTION. ACTUAL, FINAL CONSTRUCTION MAY VARY



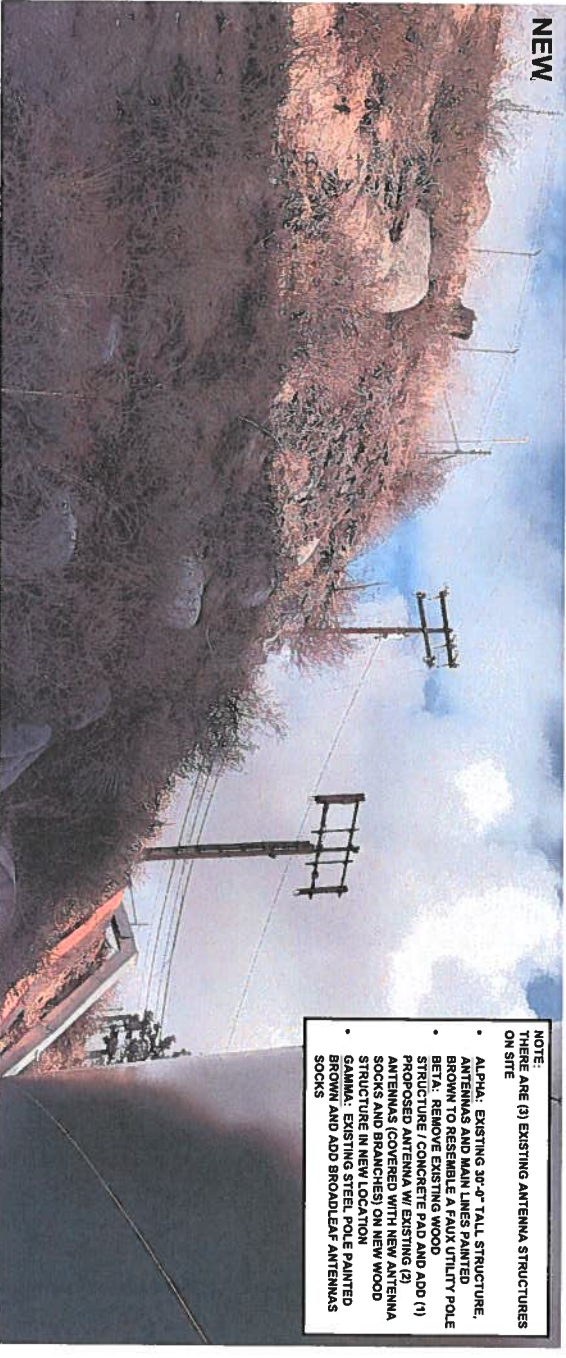
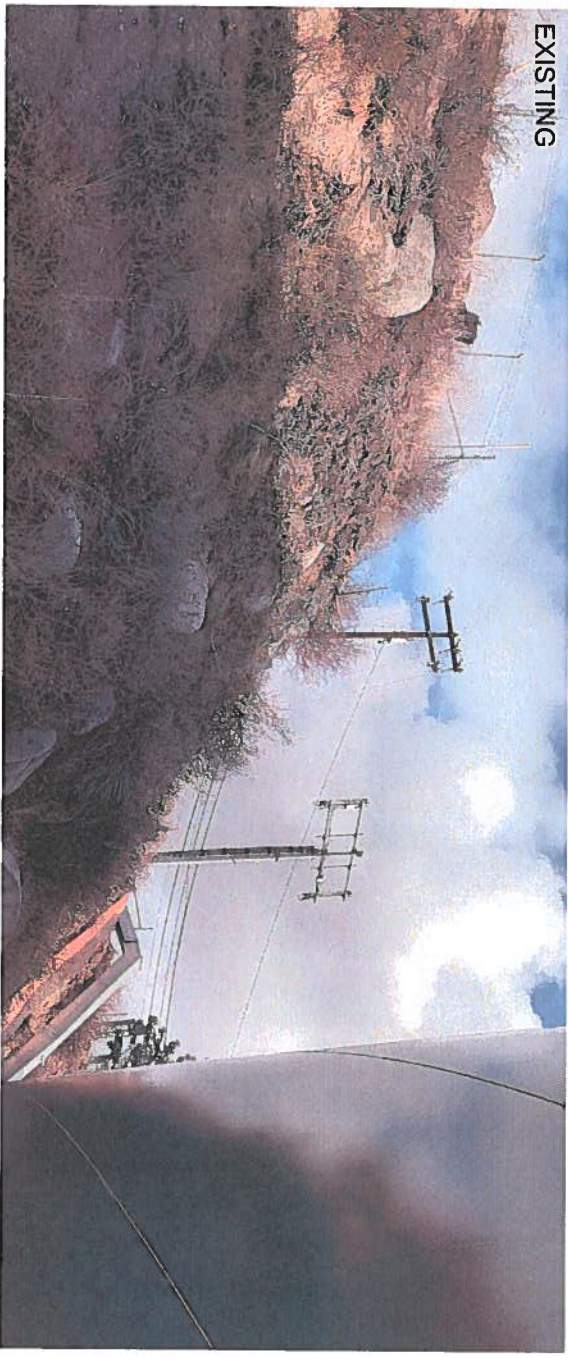
# PHOTOSIMULATION VIEWPOINT 2



## CROWN CASTLE

SD943 YUMA WATER TANK  
BU 827640  
32798 AVENIDA DE LAS ESTRALLAS  
PAUMA VALLEY, CA 92061

S&C  
S&C AE DESIGN GROUP, INC.  
5015 SHOREHAM PLACE, SUITE 150  
SAN DIEGO, CA 92122  
WWW.S&C.COM



NOTE:  
THERE ARE (2) EXISTING ANTENNA STRUCTURES ON SITE

- ALPHA: EXISTING 30'-4" TALL STRUCTURE, ANTENNAS AND MAIN LINES PAINTED BROWN TO RESEMBLE A FAUX UTILITY POLE
- BETA: REMOVE EXISTING WOOD STRUCTURE / CONCRETE PAD AND ADD (1) PROPOSED ANTENNA W/ EXISTING (2) ANTENNAS AND BRANCHES ON NEW WOOD SOCKS AND BRANCHES) ON NEW WOOD STRUCTURE IN NEW LOCATION
- GAMMA: EXISTING STEEL POLE PAINTED BROWN AND ADD BROADLEAF ANTENNAS SOCKS

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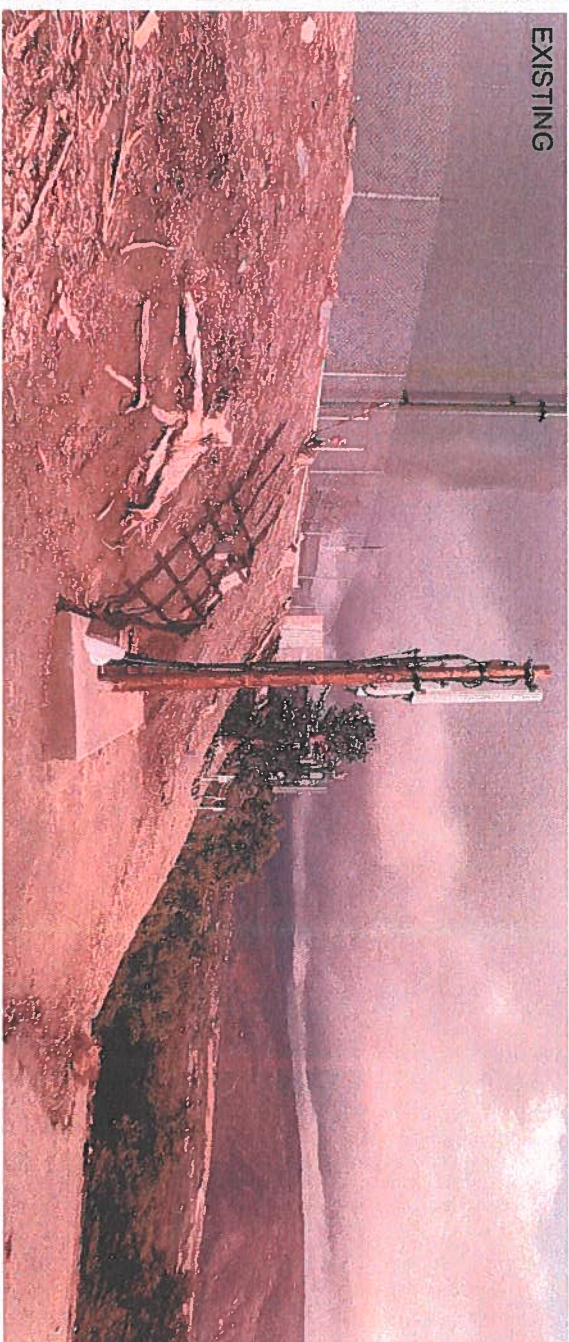
# PHOTOSIMULATION VIEWPOINT 3



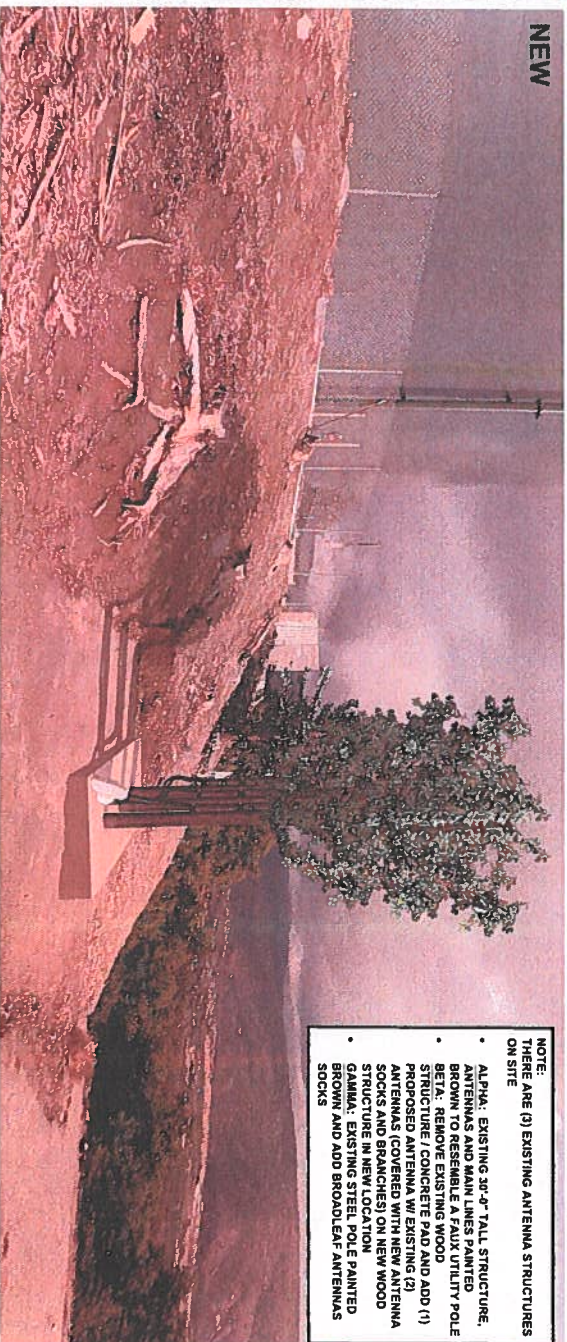
SD943 YUMA WATER TANK  
BU 827640  
32798 AVENIDA DE LAS ESTRALLAS  
PAUMA VALLEY, CA 92061



5015 SHOREVIEW PLACE, SUITE 15  
SAN DIEGO, CA 92122  
WWW.SDCORP.COM



EXISTING



NEW

NOTE:  
THERE ARE (2) EXISTING ANTENNA STRUCTURES ON SITE

- ALPHA: EXISTING 30'-0" TALL STRUCTURE, ANTENNAS AND MAIN LINES PAINTED BROWN TO RESEMBLE A FAUX UTILITY POLE
- BETA: REMOVE EXISTING WOOD STRUCTURE / CONCRETE PAD AND ADD (1) PROPOSED ANTENNA W/ EXISTING (2) ANTENNAS (COVERED WITH NEW ANTENNA SOCKS AND BRANCHES) ON NEW WOOD GROUND MOUNTING UTILITY POLE PAINTED BROWN AND ADD BROADLEAF ANTENNAS SOCKS

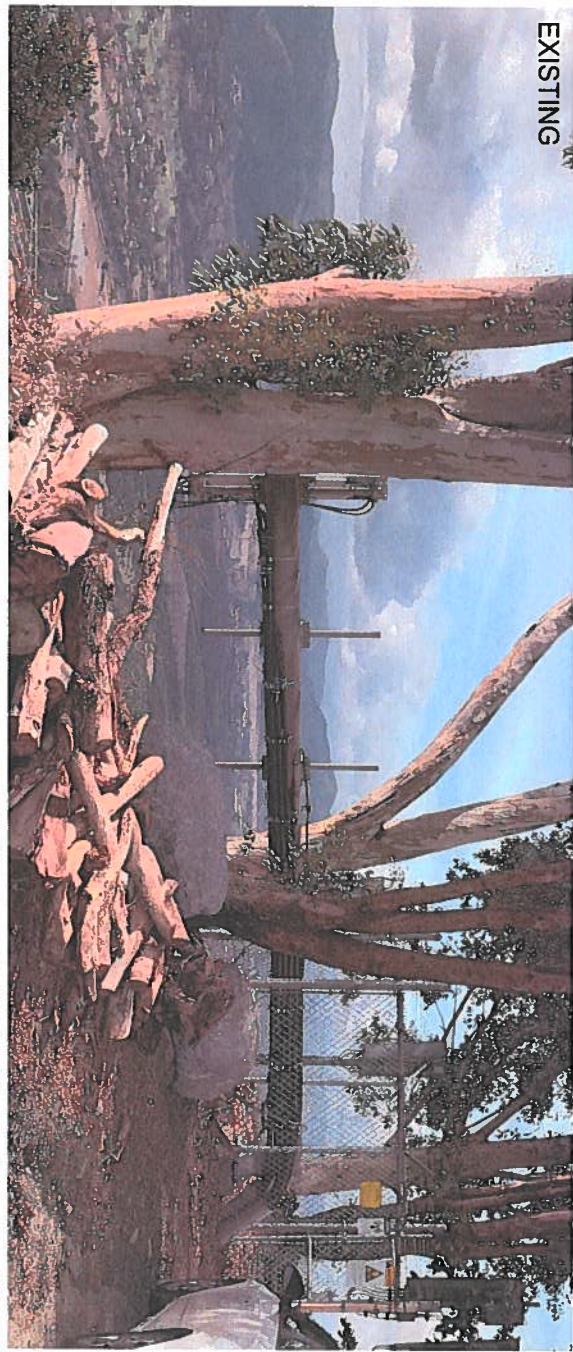
DISCLAIMER: THIS PHOTOSIMULATION IS INTENDED AS A GRAPHICAL REPRESENTATION OF EXISTING AND PROPOSED SITE CONDITIONS BASED ON THE PROJECT / DRAWING PLANS. IT IS NOT INTENDED FOR CONSTRUCTION. ACTUAL, FINAL CONSTRUCTION MAY VARY



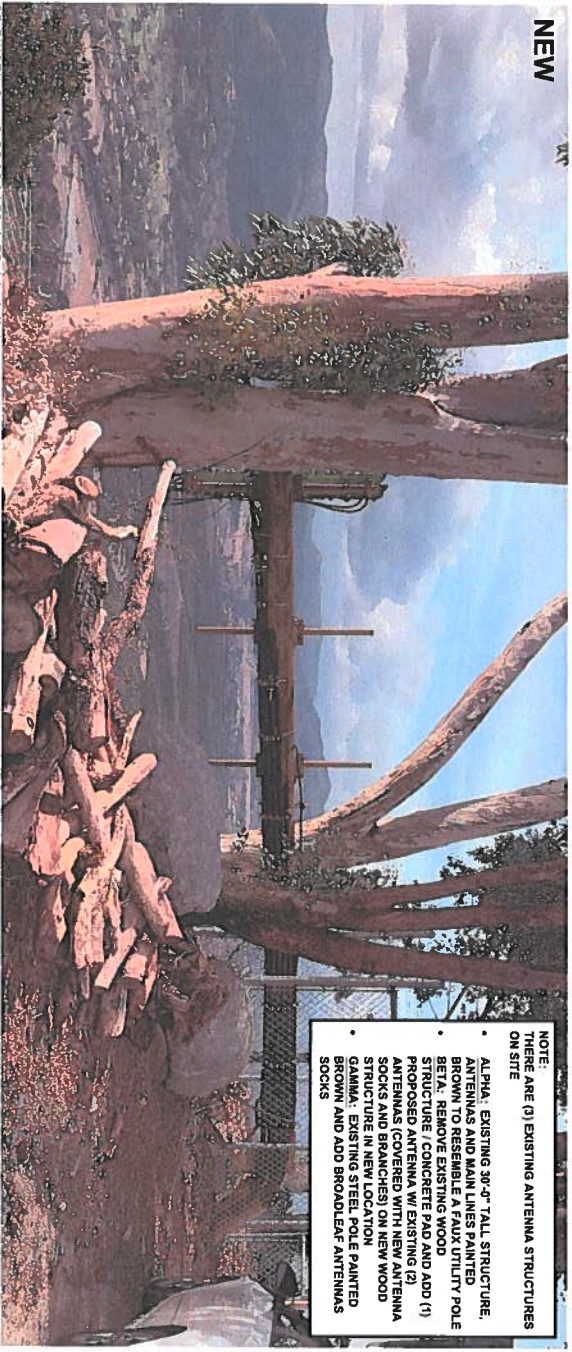
PHOTOSIMULATION VIEWPOINT 4



SD943 YUMA WATER TANK  
BU 827640  
32798 AVENIDA DE LAS ESTRELLAS  
PAUMA VALLEY, CA 92061



EXISTING



NEW

NOTE:  
THERE ARE (2) EXISTING ANTENNA STRUCTURES ON SITE

- ALPHA: EXISTING 30'-0" TALL STRUCTURE, ANTENNA AND WOOD POLE PAINTED BROWN TO RESEMBLE A FAULTY UTILITY POLE
- BETA: REMOVE EXISTING WOOD STRUCTURE / CONCRETE PAD AND ADD (1) PROPOSED ANTENNA W/ EXISTING (2) ANTENNAS (COVERED WITH NEW ANTENNA SOCKS AND BRANCHES) ON NEW WOOD STRUCTURE IN NEW LOCATION
- GAMMA: EXISTING STEEL POLE PAINTED BROWN AND ADD BROADLEAF ANTENNAS SOCKS

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# SD06943A

## Coverage Map

**San Diego Market  
RF Team**

**April 24th, 2019**



# Contents:

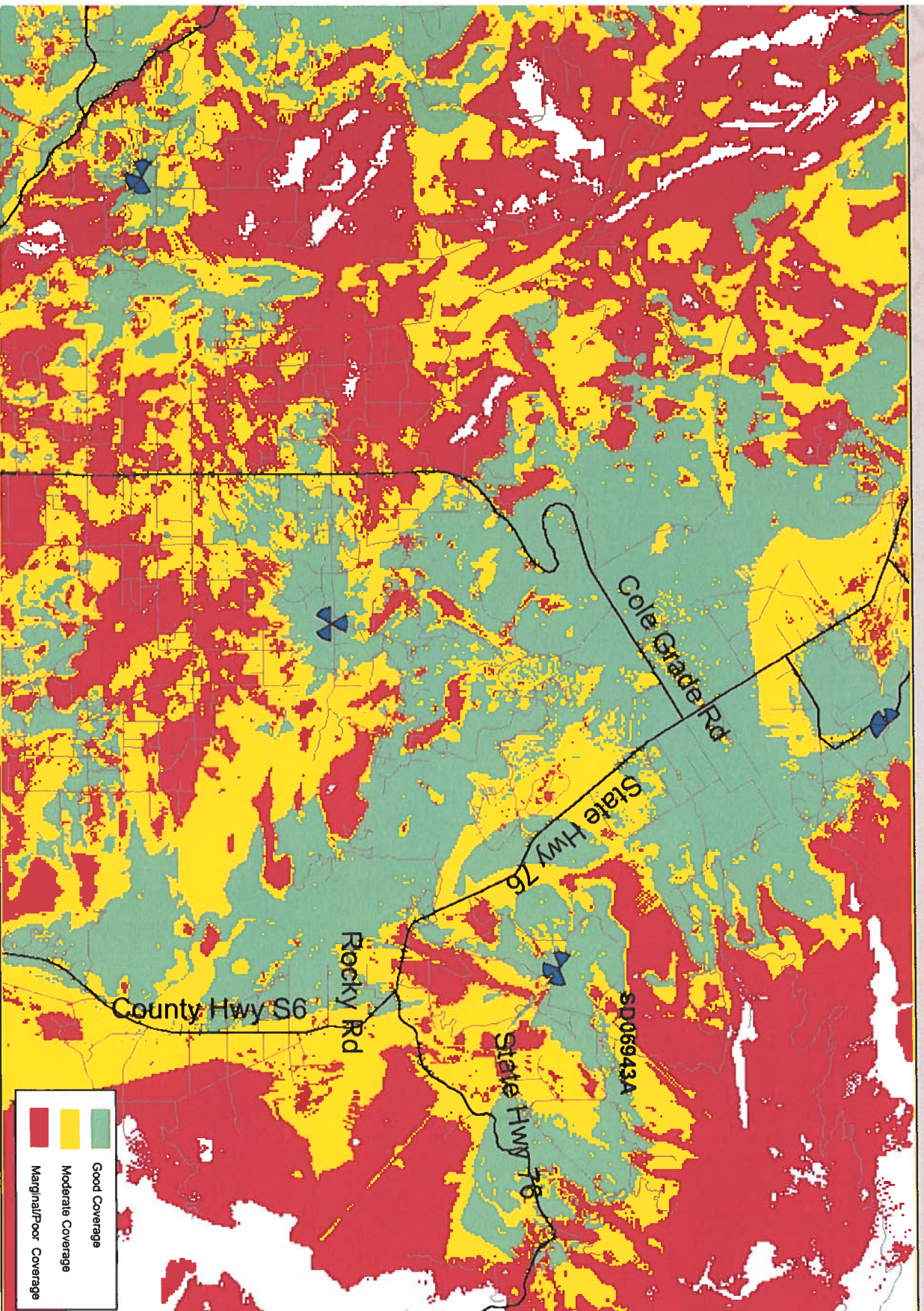
## Plots:

- RF Plot with SD06943 an surrounding sites
- RF Plot without SD06943A
- RF Plot for SD06943A only

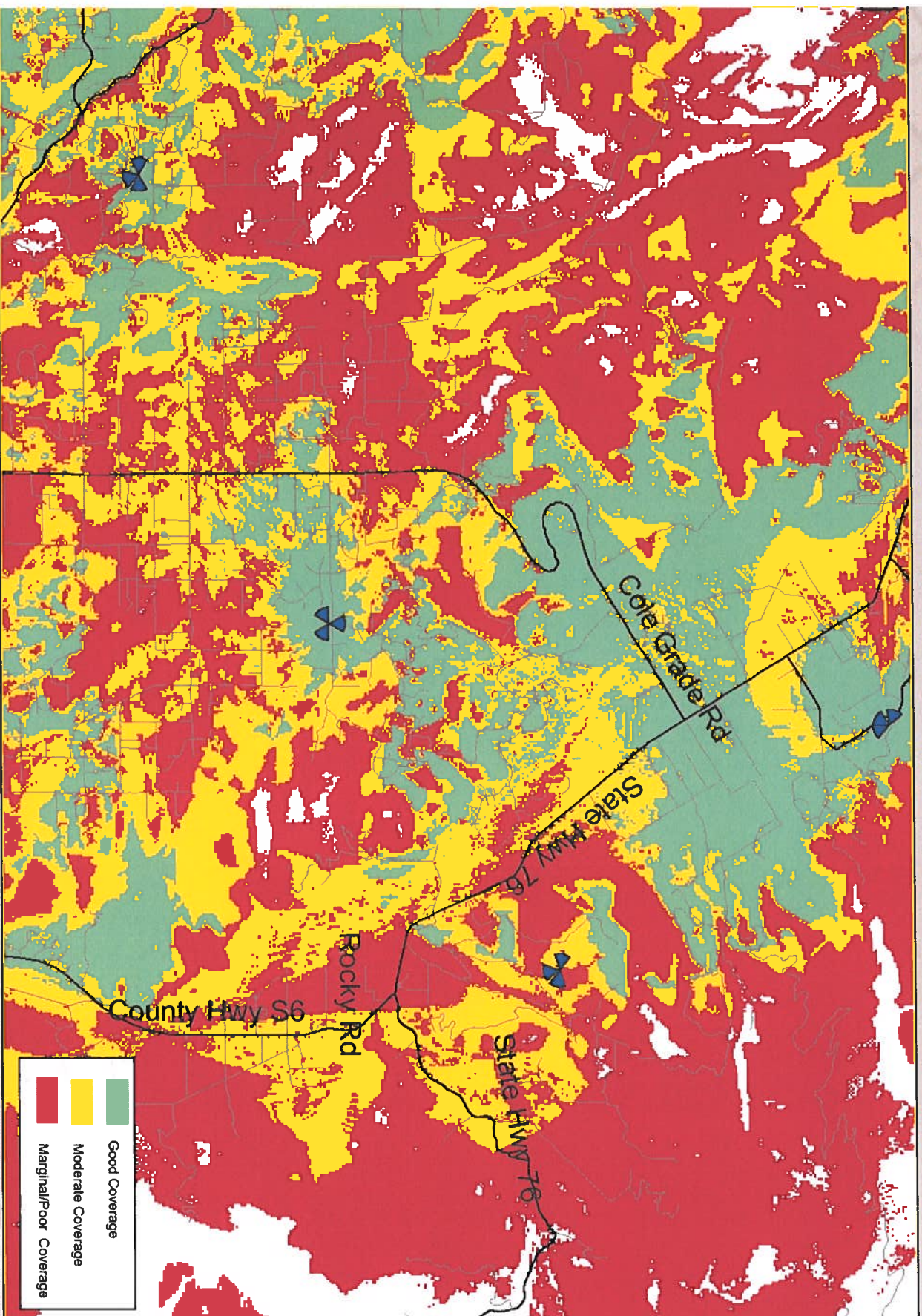




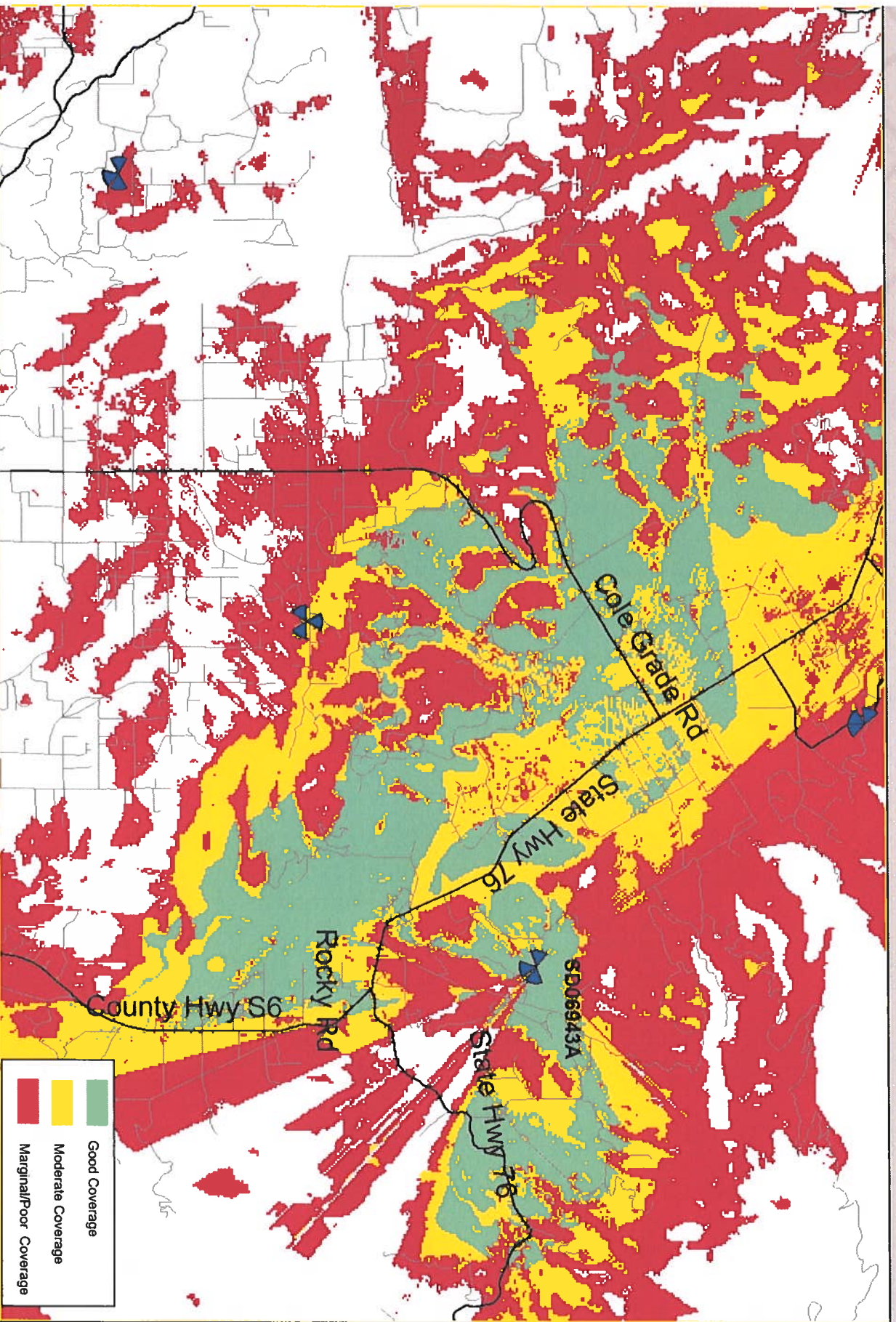
Coverage Plot with SD06943A













..T..Mobile..

**Thank you**





## **Crown Castle Project: Yuima Water Tank**

### **Existing Site Location Description**

**PDS2018-ZAP-94-010W3**

Crown Castle submitted an application to modify an existing wireless telecommunications facility, in accordance with the County of San Diego's amortization schedule. The subject site is an existing wireless telecommunications facility that was previously approved by the County of San Diego. Removal of this site would result in a gap in coverage for the carrier, as shown in the coverage maps. Since the existing facility can meet the area's objective goals for Crown Castle/T-Mobile, continuing to utilize this location is preferred.

Pursuing a new location would require extensive site acquisition and RF Engineering efforts in identifying, contacting, and negotiating with different properties. In addition to the extensive amount of time it would take to identify, entitle, permit, and construct a new facility, the cost would represent an unnecessary burden for Crown Castle. Also, the relocation to a new property could result in the redundancy of equipment during and for a short time after construction, to ensure that members of the community could continue to utilize the wireless network without interruption.

It is for these reasons that Crown Castle is requesting to continue using the existing facility's location.

In response to the County's request for information regarding co-location potential, Crown Castle has attempted to identify other wireless telecommunications facilities located within a one-quarter (1/4) mile radius of the site. No other such facilities were found. The next closest facilities are over 1 mile away, which is too far for them to be viable alternatives. Those site locations are listed below.

#### **Alternate Location (Existing monopole)**

**Address: Valley Center Road & Rocky Top Lane**

- Located approx. 1.5 miles from existing site. Too far away to be a suitable alternative to existing site.
- Located at a significant lower elevation, which would decrease coverage capabilities.
  - The existing site location is able to produce a large reaching coverage area, due to its elevation. The elevation of the alternate location is approximately 900 feet lower than the existing site location. This would decrease the elevation of the wireless facility by nearly 50%. Given the various hillsides and mountains in the area, a decrease of this much elevation and a shift of 1.5 miles would result in decreased overall coverage and newly created gaps in coverage formed by the varied topography.

**SDC PDS RCVD 11-13-18  
ZAP94-010W3**



